



Western Interstate  
Energy Board



**NASEO**  
National Association of  
State Energy Officials



## Distribution Systems and Planning Training for Western States

Western Electricity Coordinating Council  
155 North 400 West, Suite 200, Salt Lake City, UT 84103

**AGENDA** Slides at <https://emp.lbl.gov/publications/distribution-systems-and-planning>

### May 1, 2018 – Pre-training activities

- 1:00 – 4:00 pm** WIEB Strategy Advisory Committee meeting:  
Dissemination of Western U.S. Interconnection Findings to States
- 4:00 – 5:00 pm** Considerations for a Modern Distribution Grid – Joe Paladino,  
U.S. Department of Energy

### May 2, 2018 – Training begins

- 8:00 – 8:15 am** Welcome and opening remarks – Maury Galbraith (WIEB), Kerry  
Worthington (NARUC), Fred Hoover (NASEO), Lisa Schwartz (Berkeley Lab)
- 8:15 – 9:45 am** Distribution systems 101 – Kevin Schneider (PNNL) and Emma Stewart  
(LLNL)
- 9:45 – 10:00 am** Break
- 10:00 – 10:45 am** Distribution system controls and automation – Barry Mather (NREL) and  
Kevin Schneider (PNNL)
- 10:45 am – 12:15 pm** Utility distribution planning 101 – Mike Coddington (NREL) and Kevin  
Schneider (PNNL)
- 12:15 – 1:15 pm** Lunch
- 1:15 – 2:45 pm** Distributed energy resources – Mike Coddington (NREL), Emma Stewart  
(LLNL), Jeremy Twitchell (PNNL)

2:45 – 3:00 pm	Break
3:00 – 3:45 pm	Reliability metrics and reliability value-based planning – Joe Eto (LBNL)
3:45 – 4:30 pm	Impacts of distributed energy resources on transmission systems: The distribution/transmission interface – Barry Mather (NREL)

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## May 3, 2018

8:00 – 8:45 am	Forecasting load on the distribution and transmission system with distributed energy resources – Andrew Mills (LBNL)
8:45 – 9:30 am	PUC distribution planning practices – Lisa Schwartz (LBNL)
9:30 – 9:45 am	Break
9:45 – 10:45 am	Emerging distribution planning analyses: Multiple scenario forecasts, hosting capacity analysis, locational net benefits analysis – Debra Lew (GE Energy Consulting)
10:45 – 11:30 am	Walk-through of long-term utility distribution plans: <i>Part 1 - Traditional plans</i> - Lavelle Freeman (GE Energy Consulting)
11:30 am – 12:30 pm	Lunch
12:30 – 1:30 pm	Moderated discussion: <i>How are states beginning to engage in distribution system planning?</i> Moderator: Lisa Schwartz (LBNL) <ul style="list-style-type: none"> <li>• Value of state engagement – Chair Jeff Ackermann (CO PUC)</li> <li>• Barriers to state engagement – Maury Galbraith (WIEB)</li> <li>• Less time-intensive approaches vs. full-scale DSP – Jeremy Twitchell (PNNL)</li> <li>• Oversight roles – Dallas Harris (NV PUC)</li> <li>• Integrating DSP with other forms of planning – Dave Parsons (HI PUC)</li> <li>• Stakeholder engagement – Kathi Scanlan (WA UTC)</li> </ul>
1:30 – 2:30 pm	Walk-through of long-term utility distribution plans: <i>Part 2 - Grid modernization plans and plans for high levels of distributed energy resources</i> - Debra Lew (GE Energy Consulting)
2:30 – 3:00 pm	Moderated discussion: <i>What questions can states ask utilities to better inform state engagement in distribution system planning?</i> Moderator: Lisa Schwartz (LBNL)

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